

RAW SEQUENCE LISTING

EFS

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/667,271B
Source: 1Fw/6
Date Processed by STIC: 3/2/07

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 03/02/2007

PATENT APPLICATION: US/10/667,271B

TIME: 13:00:04

Input Set : N:\efs\03_02_07\10667271b_efs\10667271_REVSeqList.txt

Output Set: N:\CRF4\03022007\J667271B.raw

3 <110> APPLICANT: Sirna Therapeutics
 4 McSwiggen, James
 5 Macejak, Dennis
 6 Beigelman, Leonid
 7 Morrissey, David
 9 <120> TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus
 (HCV)
 10 Gene Expression Using Short Interfering Nucleic Acid (siNA)
 12 <130> FILE REFERENCE: 400/129 (MBHB02-763B)
 14 <140> CURRENT APPLICATION NUMBER: 10/667,271B
 15 <141> CURRENT FILING DATE: 2003-09-16
 17 <150> PRIOR APPLICATION NUMBER: US 10/444,853
 18 <151> PRIOR FILING DATE: 2003-05-23
 20 <150> PRIOR APPLICATION NUMBER: PCT / US03/05043
 21 <151> PRIOR FILING DATE: 2003-02-20
 23 <150> PRIOR APPLICATION NUMBER: PCT / US02/09187
 24 <151> PRIOR FILING DATE: 2002-03-26
 26 <150> PRIOR APPLICATION NUMBER: USSN 60/401,104
 27 <151> PRIOR FILING DATE: 2002-08-05
 29 <150> PRIOR APPLICATION NUMBER: USSN 60/358,580
 30 <151> PRIOR FILING DATE: 2002-02-20
 32 <150> PRIOR APPLICATION NUMBER: USSN 60/363,124
 33 <151> PRIOR FILING DATE: 2002-03-11
 35 <150> PRIOR APPLICATION NUMBER: USSN 60/386,782
 36 <151> PRIOR FILING DATE: 2002-06-06
 38 <150> PRIOR APPLICATION NUMBER: USSN 60/406,784
 39 <151> PRIOR FILING DATE: 2002-08-29
 41 <150> PRIOR APPLICATION NUMBER: USSN 60/408,378
 42 <151> PRIOR FILING DATE: 2002-09-05
 44 <150> PRIOR APPLICATION NUMBER: USSN 60/409,293
 45 <151> PRIOR FILING DATE: 2002-09-09
 47 <150> PRIOR APPLICATION NUMBER: USSN 60/440,129
 48 <151> PRIOR FILING DATE: 2003-01-15
 50 <160> NUMBER OF SEQ ID NOS: 1706
 52 <170> SOFTWARE: PatentIn version 3.2
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 55 <211> LENGTH: 19
 56 <212> TYPE: RNA
 57 <213> ORGANISM: Artificial Sequence
 59 <220> FEATURE:
 60 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
 sense region
 62 <400> SEQUENCE: 1
 63 gccccgggag gucucguag

see p.11

19

66 <210> SEQ ID NO: 2

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Output Set: N:\CRF4\03022007\J667271B.raw

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68 <212> TYPE: RNA
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71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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81 <213> ORGANISM: Artificial Sequence
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84 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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117 <213> ORGANISM: Artificial Sequence
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129 <213> ORGANISM: Artificial Sequence
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134 <400> SEQUENCE: 7
135 ccuuguggua cugccugau                                19

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138 <210> SEQ ID NO: 8
139 <211> LENGTH: 19

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Input Set : N:\efs\03_02_07\10667271b_efs\10667271_REVSeqList.txt

Output Set: N:\CRF4\03022007\J667271B.raw

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210 <210> SEQ ID NO: 14

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211 <211> LENGTH: 19
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RAW SEQUENCE LISTING

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Input Set : N:\efs\03_02_07\10667271b_efs\10667271_REVSeqList.txt

Output Set: N:\CRF4\03022007\J667271B.raw

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225 <213> ORGANISM: Artificial Sequence
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278 <400> SEQUENCE: 19
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283 <211> LENGTH: 19

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284 <212> TYPE: RNA

285 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

DATE: 03/02/2007

PATENT APPLICATION: US/10/667,271B

TIME: 13:00:04

Input Set : N:\efs\03_02_07\10667271b_efs\10667271_REVSeqList.txt

Output Set: N:\CRF4\03022007\J667271B.raw

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288 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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296 <212> TYPE: RNA
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300 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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324 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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336 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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344 <212> TYPE: RNA
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348 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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354 <210> SEQ ID NO: 26
355 <211> LENGTH: 19
356 <212> TYPE: RNA

357 <213> ORGANISM: Artificial Sequence
359 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/667,271BDATE: 03/02/2007
TIME: 13:00:05Input Set : N:\efs\03_02_07\10667271b_efs\10667271_REVSeqList.txt
Output Set: N:\CRF4\03022007\J667271B.raw**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1477; N Pos. 20,21
Seq#:1478; N Pos. 20,21
Seq#:1479; N Pos. 20,21
Seq#:1480; N Pos. 20,21
Seq#:1481; N Pos. 20,21
Seq#:1482; N Pos. 20,21
Seq#:1483; N Pos. 20,21
Seq#:1484; N Pos. 20,21
Seq#:1485; N Pos. 20,21
Seq#:1486; N Pos. 20,21
Seq#:1487; N Pos. 20,21
Seq#:1488; N Pos. 20,21
Seq#:1489; N Pos. 20,21
Seq#:1491; N Pos. 20,21
Seq#:1492; N Pos. 20,21
Seq#:1493; N Pos. 20,21
Seq#:1494; N Pos. 20,21
Seq#:1506; N Pos. 20,21
Seq#:1658; N Pos. 33,34
Seq#:1659; N Pos. 31,32
Seq#:1660; N Pos. 29,30
Seq#:1661; N Pos. 27,28
Seq#:1666; N Pos. 34,35
Seq#:1667; N Pos. 32,33
Seq#:1668; N Pos. 30,31
Seq#:1669; N Pos. 28,29
Seq#:1674; N Pos. 39,40
Seq#:1675; N Pos. 37,38
Seq#:1676; N Pos. 35,36
Seq#:1677; N Pos. 33,34
Seq#:1688; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1689; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1690; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1691; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1692; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1693; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1694; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1695; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1696; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: **US/10/667,271B**

DATE: 03/02/2007
TIME: 13:00:05

Input Set : N:\efs\03_02_07\10667271b_efs\10667271_REVSeqList.txt
Output Set: N:\CRF4\03022007\J667271B.raw

Seq#:1448; Line(s) 17662
Seq#:1692; Line(s) 28708

VERIFICATION SUMMARY

DATE: 03/02/2007

PATENT APPLICATION: US/10/667,271B

TIME: 13:00:05

Input Set : N:\efs\03_02_07\10667271b_efs\10667271_REVSeqList.txt

Output Set: N:\CRF4\03022007\J667271B.raw

L:18032 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1477 after pos.:0
L:18065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1478 after pos.:0
L:18093 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1479 after pos.:0
L:18121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1480 after pos.:0
L:18159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1481 after pos.:0
L:18202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1482 after pos.:0
L:18240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1483 after pos.:0
L:18278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1484 after pos.:0
L:18331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1485 after pos.:0
L:18389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1486 after pos.:0
L:18432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1487 after pos.:0
L:18475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1488 after pos.:0
L:18523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1489 after pos.:0
L:18584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1491 after pos.:0
L:18617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1492 after pos.:0
L:18660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1493 after pos.:0
L:18698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1494 after pos.:0
L:19364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1506 after pos.:0
L:28153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1658 after pos.:0
L:28171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1659 after pos.:0
L:28189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1660 after pos.:0
L:28207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1661 after pos.:0
L:28273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1666 after pos.:0
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L:28411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1675 after pos.:0
L:28429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1676 after pos.:0
L:28447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1677 after pos.:0
L:28600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1688 after pos.:0
L:28633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1689 after pos.:0
L:28661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1690 after pos.:0
L:28694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1691 after pos.:0
L:28726 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1692 after pos.:0
L:28758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1693 after pos.:0
L:28791 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1694 after pos.:0
L:28825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1695 after pos.:0
L:28859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1696 after pos.:0